

Converting Colors

CIELCh(58, 65.988, 90.072)

Have a look what the booklet for
CIELCh(58, 65.988, 90.072) contains.

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Color

CIELCh(58, 62.884, 89.733)

Conversions

Conversions Part 1

Format	Color
Hex	A78900
RGB	167, 137, 0
RGB Percent	65%, 54%, 0%
CMY	0.3467, 0.4641, 1.0000
CMYK	0.00, 0.18, 1.00, 0.35
HSL	49°, 100%, 33%
HSV	49°, 100%, 65%
XYZ	24.7432, 25.9610, 3.6867
YIQ	130.3520, 61.8570, -36.2470

Conversions

Conversions Part 2

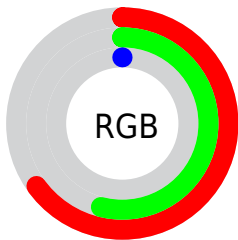
Format	Color
R_{YB}	37, 167, 0
Decimal	10979584
CIE _{Lab}	58.00, 0.29, 62.88
CIE _{LCh}	58, 62.884, 89.733
Yxy	25.9610, 0.4549, 0.4773
Android (android.graphics.Color)	4289169664 (0xFFA78900)
YUV	130.3520, -64.2635, 32.1403
Hunter-Lab	50.9519, -2.4829, 31.3763

Details

The CIELCh color **58, 62.884, 89.733** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **23, 86.356, 302.881**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 62.749, 89.777**, and **38, 46.187, 88.663** is the 20% darker color. If you saturate the color by 10%, you get **58, 62.769, 89.726**, and if you desaturate by 10%, it is **59, 60.585, 91.026**.

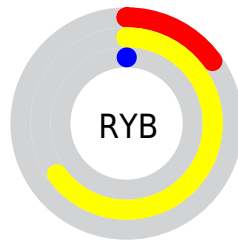
Distribution



Red (65%)

Green (54%)

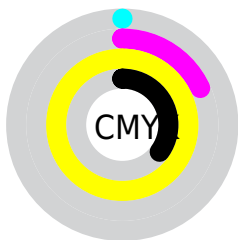
Blue (0%)



Red (15%)

Yellow (65%)

Blue (0%)

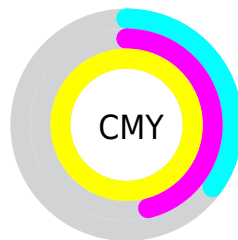


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (46%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 62.884, 89.733 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 58, 62.884, 89.733 by changing the saturation by 10% instead.

 58, 62.884, 89.733

 58, 62.884, 89.733

 100, 62.884,
89.733

 48, 62.884, 89.733

 78, 62.884, 89.733

 38, 62.884, 89.733

 88, 62.884, 89.733

 28, 62.884, 89.733

 98, 62.884, 89.733

 18, 62.884, 89.733

 8, 62.884, 89.733

 0, 62.884, 89.733

 58, 62.884, 89.733

 58, 62.884, 89.733

 58, 62.769, 89.726

 59, 60.585, 91.026

 60, 56.822, 92.270

■ 61, 51.447, 93.474

■ 62, 44.999, 94.666

■ 63, 37.913, 95.855

■ 64, 30.484, 97.038

■ 65, 22.890, 98.211

■ 66, 15.241, 99.362

■ 67, 7.596, 100.481

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58, 62.884, 89.733



23, 86.356, 302.881

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 62.884, 89.733



58, 62.884, 139.733



58, 62.884, 269.733



58, 62.884, 319.733

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58, 62.769, 89.726



82, 28.357, 98.147



35, 68.034, 30.226



43, 19.498, 97.673



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 62.769, 89.726



74, 76.239, 89.449



63, 74.644, 120.560



35, 4.333, 100.558



52, 57.565, 89.872



5, 7.437, 98.094

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23, 86.356, 302.881



31, 106.617, 303.318



22, 94.056, 308.622



33, 4.388, 282.681



20, 78.480, 302.635



1, 8.130, 282.994

Previews

White Background



This preview shows how the CIELCh color 58, 62.884, 89.733 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 58, 62.884, 89.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 62.884, 89.733

Background



This preview shows how black text looks on a background with the CIELCh color 58, 62.884, 89.733.

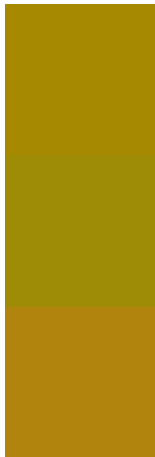


This preview shows how white text looks on a background with the CIELCh color 58, 62.884, 89.733.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58, 62.884, 89.733

Protanopia

58, 61.535, 95.031

Deuteranopia

58, 61.568, 82.693



Tritanopia
58, 19.783, 5.163

Trichromacy



Original Color
58, 62.884, 89.733

Protanomaly
58, 62.014, 93.248

Deuteranomaly
58, 61.951, 85.535

Tritanomaly
58, 31.199, 71.715

Monochromacy



Original Color
58, 62.884, 89.733

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 28.123, 96.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 62.884, 89.733 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 137, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 137, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 62.884, 89.733 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 137, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(167, 137, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(167, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 137,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 62.884, 89.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 137, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167,  
137, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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